Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/06/2016 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124667	-1	1.87	124496	1.81
Blue	F	SSC	125000	121636	-3	3.88	121967	3.64
Blue	E	FITC	22946	22576	-2	2.49	1009	9.41
Blue	D	PE	28770	28154	-3	2.09	1018	8.95
Blue	B	PerCP-Cy5-5	51099	50282	-2	3.54	1438	15.37
Blue	A	PE-Cy7	42312	42153	-1	4.95	658	31.77
Red	C	APC	52169	51880	-1	2.84	2983	9.33
Red	A	APC-Cy7	56705	55909	-2	2.82	1160	10.67
Violet	B	V450	14708	14069	-5	4.27	672	8.92
Violet	A	V500	58608	57207	-3	4.14	2543	6.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19212	4.07	592	-6	N/A	N/A	Pass
Blue	F	SSC	60700	1.97	521	3	N/A	N/A	Pass
Blue	E	FITC	111	36.63	529	-2	0.0251	156	Pass
Blue	D	PE	224	26.72	525	-1	0.1991	264	Pass
Blue	B	PerCP-Cy5-5	227	40.90	619	-3	0.0128	122	Pass
Blue	A	PE-Cy7	74	101.44	667	-4	0.0147	8	Pass
Red	C	APC	351	26.08	588	-2	0.0209	0	Pass
Red	A	APC-Cy7	127	38.73	570	-6	0.0064	1785	Pass
Violet	B	V450	82	41.51	467	8	0.0510	2126	Pass
Violet	A	V500	185	24.49	497	9	0.0150	990	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.76	-31.39	0.83
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	17.95	13.27 - 19.91	N/A	N/A	31.80	32.08	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9868

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments